

P-11

30-045-22889

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 Copies to OCD Aztec Office)

Operator: BLACKWOOD & NICHOLS CO. Location: Unit O, Sec. 1, Twp 30N, Rng 8W.

Name of Well/Wells or Pipeline Served NEBU 36A

Elevation 6320' Completion Date 7-24-93 Total Depth 351' Land Type* Surface: F Mineral: SF-078581

Casing, Sizes, Types & Depths 8-5/8" SCH 40 P.V.C. - 100', 7 7/8" OPEN HOLE

If Casing is cemented, show amounts & types used 20 sks Portland Zia I-II

If Cement or Bentonite Plugs have been placed, show depths & amounts used N/A

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. Fresh, 140' & 160'

Depths gas encountered: N/A

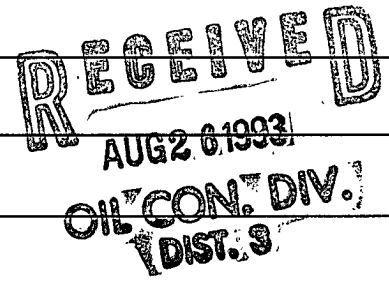
Type & amount of coke breeze used: Asbury 96 sx

Depths anodes placed: 327' to 125'

Depths vent pipes placed: 360' to 4' above ground level

Vent pipe perforations: 360' to 80'

Remarks: Groundbed located 225° SW of North and 191' from wellhead.



If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

Signed by: James K. Alby

Title: Operations Engineer Date: 8/11/93



1115 Farmington Avenue - Farmington, NM 87401
(505) 325-1085

Lab Sample No.: W93-249

Standard A.P.I. Water Analysis Report

Collected By: M.D.M.

Company: Blackwood and Nichols Co.

Collection Date: 24-Jul-93

Well Name: C.P. Station P-11

Collection Time: Unknown

Formation: Surface

County: Unknown State: Unknown

Location: Unknown

Analyst: K. Lambdin

Karen Lambdin

Remarks: Fresh Water, depth sampled - 230 feet

Analysis Date: 7/28/93

PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	116 mg/l	calculated	Chloride, Cl	10 mg/l	
Potassium, K	10 mg/l		Sulfate, SO ₄	780 mg/l	
Calcium, Ca	350 mg/l		Hydroxide, OH	91 mg/l	
Magnesium, Mg	0 mg/l	<5	Carbonate, CO ₃	19 mg/l	
Iron, Fe (Total)	0.0 mg/l	NR	Bicarbonate, HCO ₃	0 mg/l	
Hydrogen Sulfide	0 mg/l	<5	Resistivity	4,016 ohm-m	
pH	11.71 Units		(@25 Degrees C)		
TDS	1,652 mg/l		Conductivity	2,490 uS	
			Specific Gravity	1.000 Units	
			(@ 60 Degrees F)		

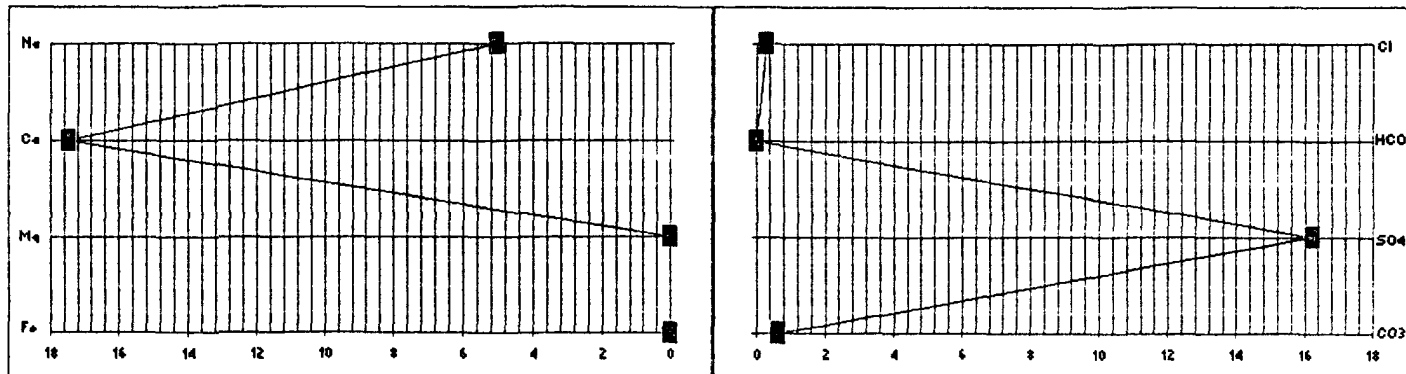
RECEIVED
JUL 30 1993
BLACKWOOD & NICHOLS CO., LTD.

Remarks: The sample has an unusually high pH.

NR = Test Not Run

Anion/Cation: 98.8%

Stiff Diagram



Scale: Meq/L

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

WELL# NEB 36A

S 1 T 30N R 8u

[illegible]

DRILLER James M. Muntz

INSPECTOR Joe Matyssek

BLACKWOOD & NICHOLS CATHODIC GROUND BED DRILLERS REPORT

P# P-11 WELL# N.E.B.U. 36A

OS / T 30 R 8

[illegible]


RILLER

INSPECTOR *MDM.*